

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:47:45 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	566	D&R	K-900	2008	4-3	Is the communication capability between operators, and between operators and the control room or other necessary locations adequate during normal operations and emergencies?	During normal operations communications is effective, however, plant radios are not always reliable during major emergencies.	Turn over to Plant Protection, consider intrinsically ssafe cell phones	There is now a back up radio VHF system that can be used for longer term events and the interference we were experiencing as part of a Nextel bleed over has been corrected. All terminals and systems have been moved to the new Firehouse and are working well. Same as 581	11/30/2009	Ayers, Mark M.	Completed
Latent Condition	578	D&R	K-900	2008	3-13	Are all equipment labels (e.g., vessels, piping, valves, instrumentation, etc.) easy to read (clear and in good condition)?	Labels are in need of updating	Update the field labels	A list of equipment requiring labeling was submitted and completed under work order#294546	11/25/2009	Wilson, Clifford P.	Completed
Latent Condition	579	D&R	K-900	2008	3-17	Are the equipment labels consistent with nomenclature used in procedures?	The equipment labels are consistent with nomenclature used in procedures, however, many labels are missing	Re-label equipment in the field	Labeling was completed under work order#294546	11/25/2009	Wilson, Clifford P.	Completed
Latent Condition	580	D&R	K-900	2008	3-23	Are displays of process control instrumentation clearly identified?	Displays of process control instrumentation is clearly identified, the Honeywell Nav Zone needs improvement	Re-evaluate the Nav Zone	The Nav Zone is part of the Honeywell package and the set up is standard throughout the refinery. There are no plans to change it at this time.	11/15/2009	Wilson, Clifford P.	Completed
Latent Condition	581	D&R	K-900	2008	4-1	Are the communications facilities between process units adequate for clear and uninterrupted communications during both normal and emergency situations [e.g., telephone land lines, radio, computer network, and E-mail, and are systems redundant and/or secu	The communications facilities between process units are adequate for clear and uninterrupted communications during both normal conditions, however, the major emergency scenario leaves operators without radio communication	Turn over to Plant Protection, consider Intrinsically ssafe cell phones	There is now a back up radio VHF system that can be used for longer term events and the interference we were experiencing as part of a Nextel bleed over has been corrected. All terminals and systems have been moved to the new Firehouse and are working well. Same as 566	11/30/2009	Ayers, Mark M.	Completed
Latent Condition	582	D&R	K-900	2008	3-50	Does the level of automation allow sufficient operator involvement so operators do not feel detached from the process, particularly during emergency situations where they must assume manual control?1	The level of automation does not allow sufficient operator involvement so operators do not feel detached from the process, particularly during emergency situations where they must assume manual control.	Recommend Vista Center simulator training for CBOs & Hos or a D&R control room simulator	There is a simulator set up at the Vista Center that is used by Operators training for the PCO position. There is a simulator set up in the D&R control center but the K-900 simulator is not built on the same platform.	11/15/2009	Wilson, Clifford P.	Completed
ISS	3073	D&R	K-900	2008	4A23	Clear identification of equipment status – valves with rising stems, spectacle blinds, check valves with flow arrow?	All equipment in plant clearly identified.	Plot limit identification needs improvement.	plot limit line identification upgraded line markings re stenciled	11/25/2009	Wilson, Clifford P.	Completed